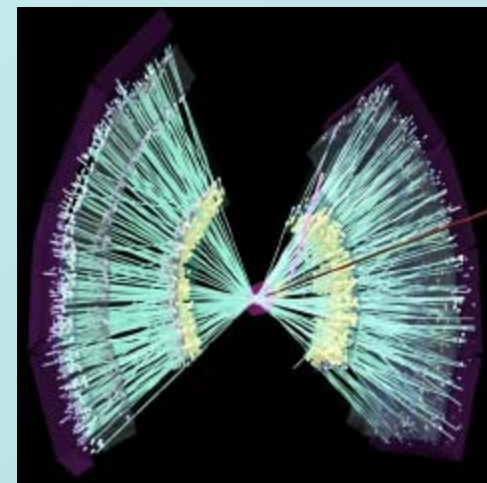
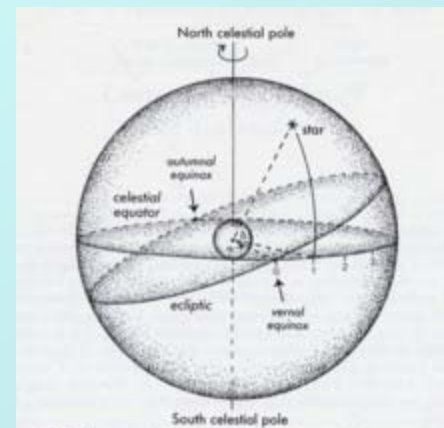


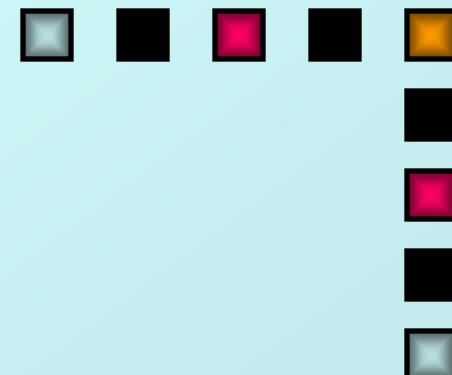


PHENIX WEEKLY PLANNING

3/22/2007

Don Lynch





TECHNICAL SUPPORT 2007

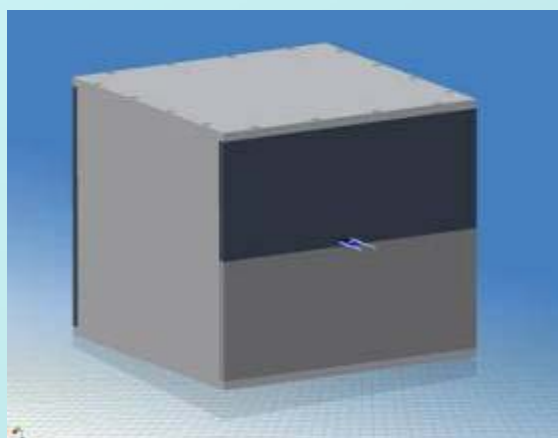
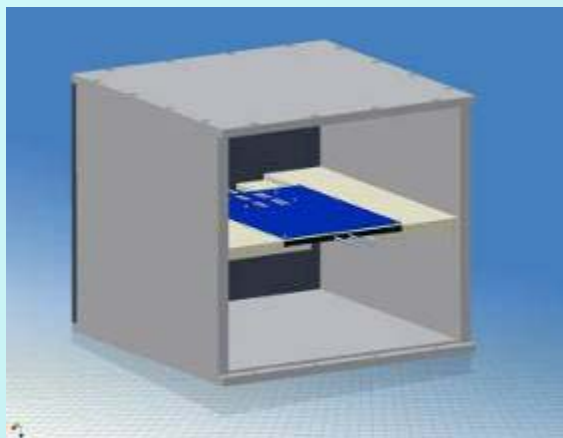
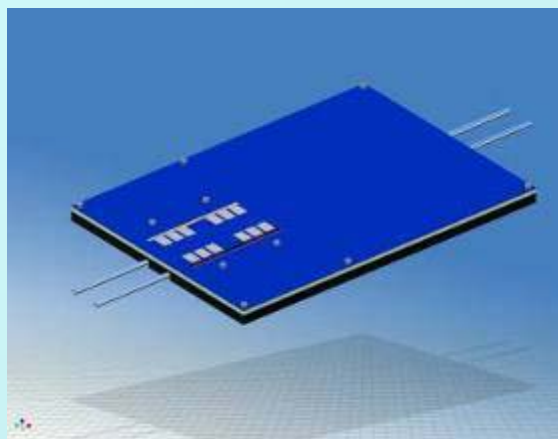
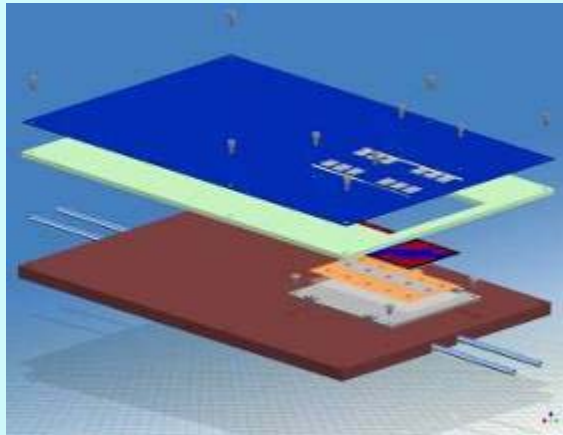
- Beam: blue ring 3/8/07,
in yellow 3/14/07
- Re-Start 5 man shifts 3/20/07
- Next Maintenance Day 3/28/07
- Start of Physics Run 4/1/07
- MuTr FEE upgrade prototype 5/1/07
- MuTr FEE upgrade prototype 5/1/07
- Remove HBD West 5/1/07
- End of Run Party 6/29/07
- Remove HBD East 7/2/07

Schedule

- * HBD Bertan HV checks and resister changes
- * muID gas checks and fitting tightening, square shields retracted to check gas fitting there
- * Steve Boose fix to ADAM stuff in north
- * Charlie wants to work on air conditioners
- * Rob wants to statte Xe gas in TEC
- * if we havn't already done it, we want to replace ZDC/BBC HV mainframe

VTX Prototype Test

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Rachid is back from exile

Carter done

Mike L. helping with
cooling system

Tests to be done in
Chemistry Dept.

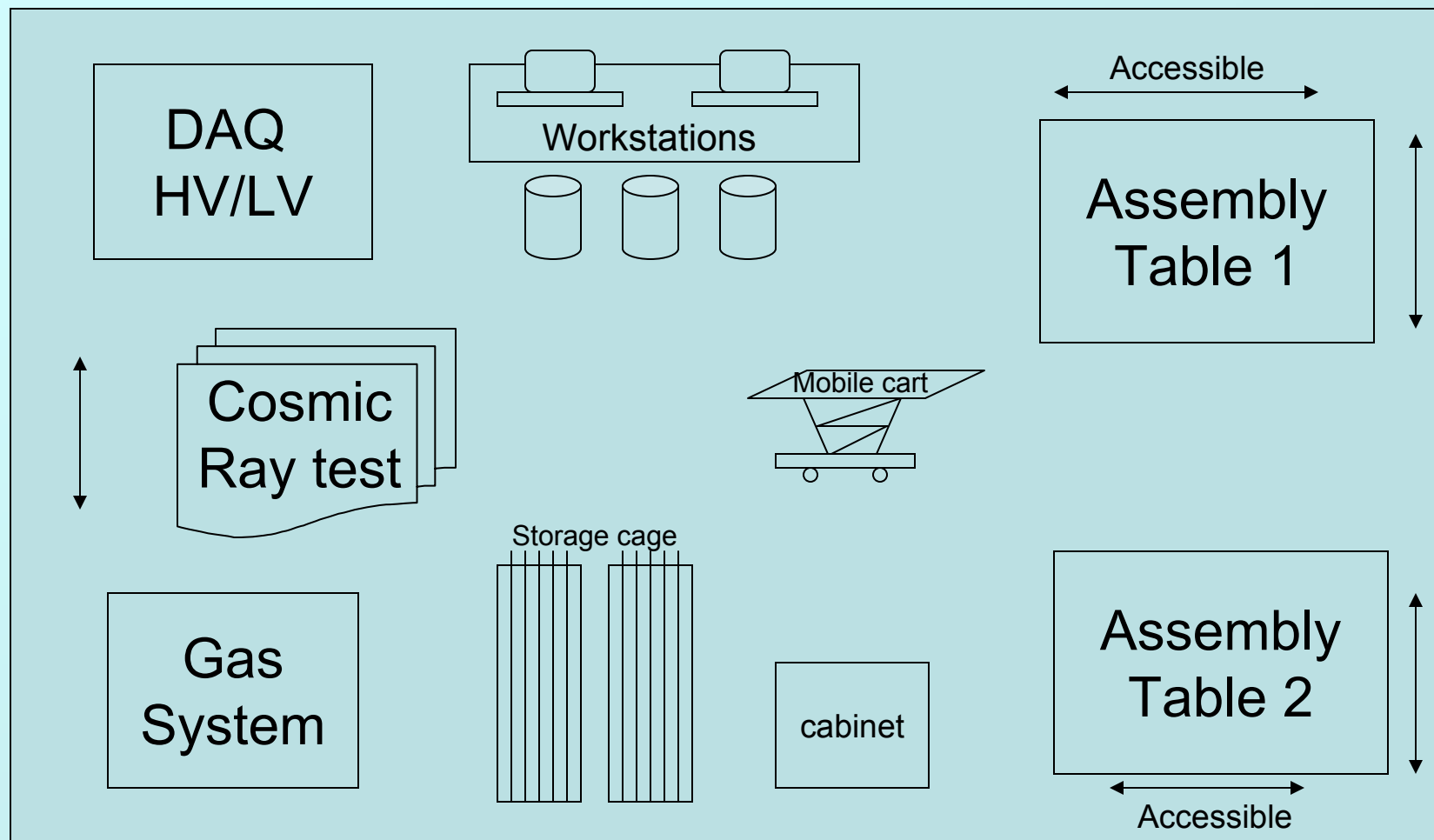
3rd pass review of documents 3/4 done:

- 130 (POTENTIAL) controlled procedures total (eliminated 14)
- 118 controlled procedures (added 11)
- 12 "Other"
- 66 de-activated, review complete, 9 more likely candidates for de-activation
- 9 more active status TBD
- Should have 46-55 active procedures when done, soe of these will be combined further reducing the # of active procedures.

Efforts Continuing.....

RPC Assembly "Factory" at BNL

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RPC Assembly "Factory" at BNL

T-e-c-h-n-i-c-a-l-S-u-p-p-o-r-t-2007



C-A has suggested old PHENIX test beam area of BLDG 912 for factory

RPC Assembly "Factory" at BNL

TECHNICAL SUPPORT 2007

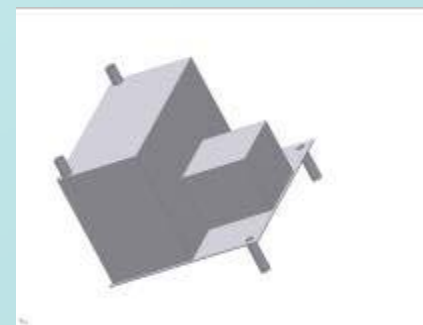
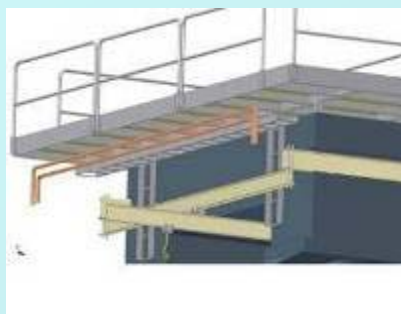


C-A to clean up, fix holes, paint floor?, etc. as negotiated. No space charge

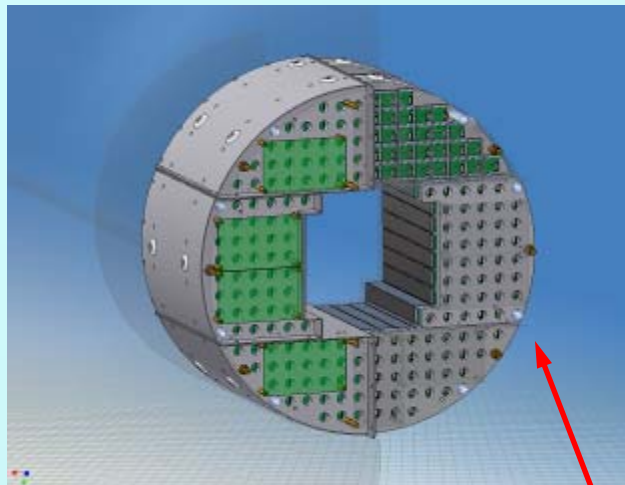


Need office, tent, work tables, power, phone, internet, water & air utilities, jib crane, test gas storage and supply infrastructure, etc.

- End of Run 7(Run Length-start of Physics to run end) 3 months July 1
- Shutdown Prep 2 weeks July 1
- DC Repair 1 week July 9
- HBD remove-repair-reinstall 2-5 months May 1
West out May 1, East out July 9
- MPC North and south repair & upgrades 2-3 months July 23
- Install FEE Upgrade 1 octant MuTR 1,2 South 1 month July 30
- Infrastructure upgrades access (crane/ladder) 1 month Sep. 1
- TBD detector maintenance and repair 0-3 months July 9
- RPC Factory 3-4 years March 15
- EC roll in start commissioning and run prep 1 month Oct 1
- Shutdown length (End of run 7 to run 8 cooldown start) 3-1/2 mo. Oct. 15

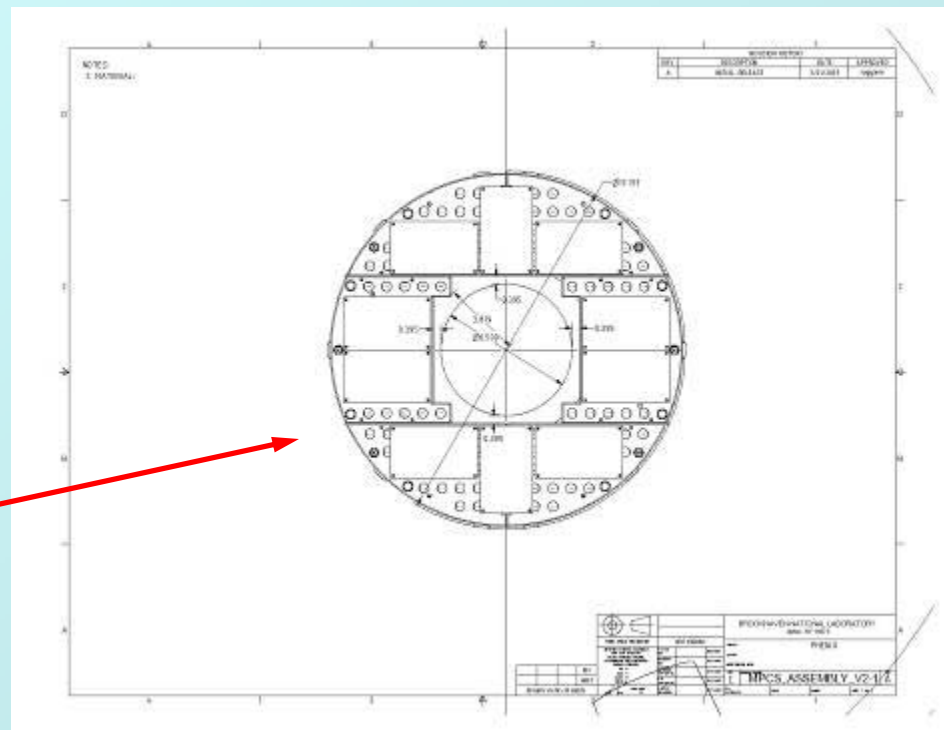


MPC Upgrades



South: remove existing modules
repair/replace crystals as
necessary, change 8 module
existing design to 6 module
design, upgrade LED's to LED +
homogenizer + fiber, reinstall.

Note: use Go/No gage to test
assembly fitup prior to
installation.

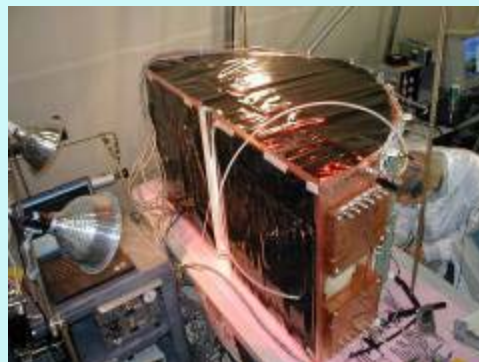


North (not shown):
remove/repair/replace crystals as
necessary, upgrade LED's to LED +
homogenizer + fiber, reinstall.

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HBD Upgrade

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1. Remove west, then east for upgrading

2. Return to Stony Brook for electrical and mechanical improvements



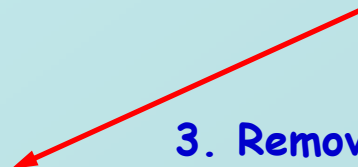
5. Re-install new & improved HBD [HBD II?] for Run 8



4. Return to PHENIX



3. Remove unnecessary complications

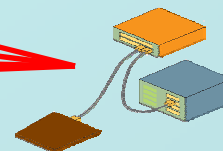


MuTr FEE Upgrade

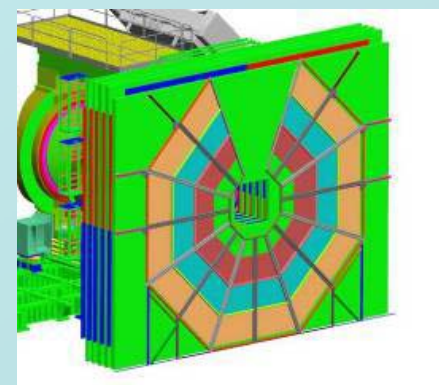
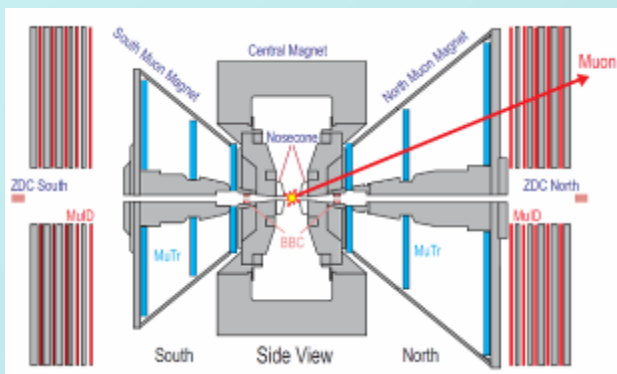
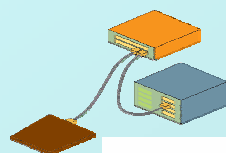


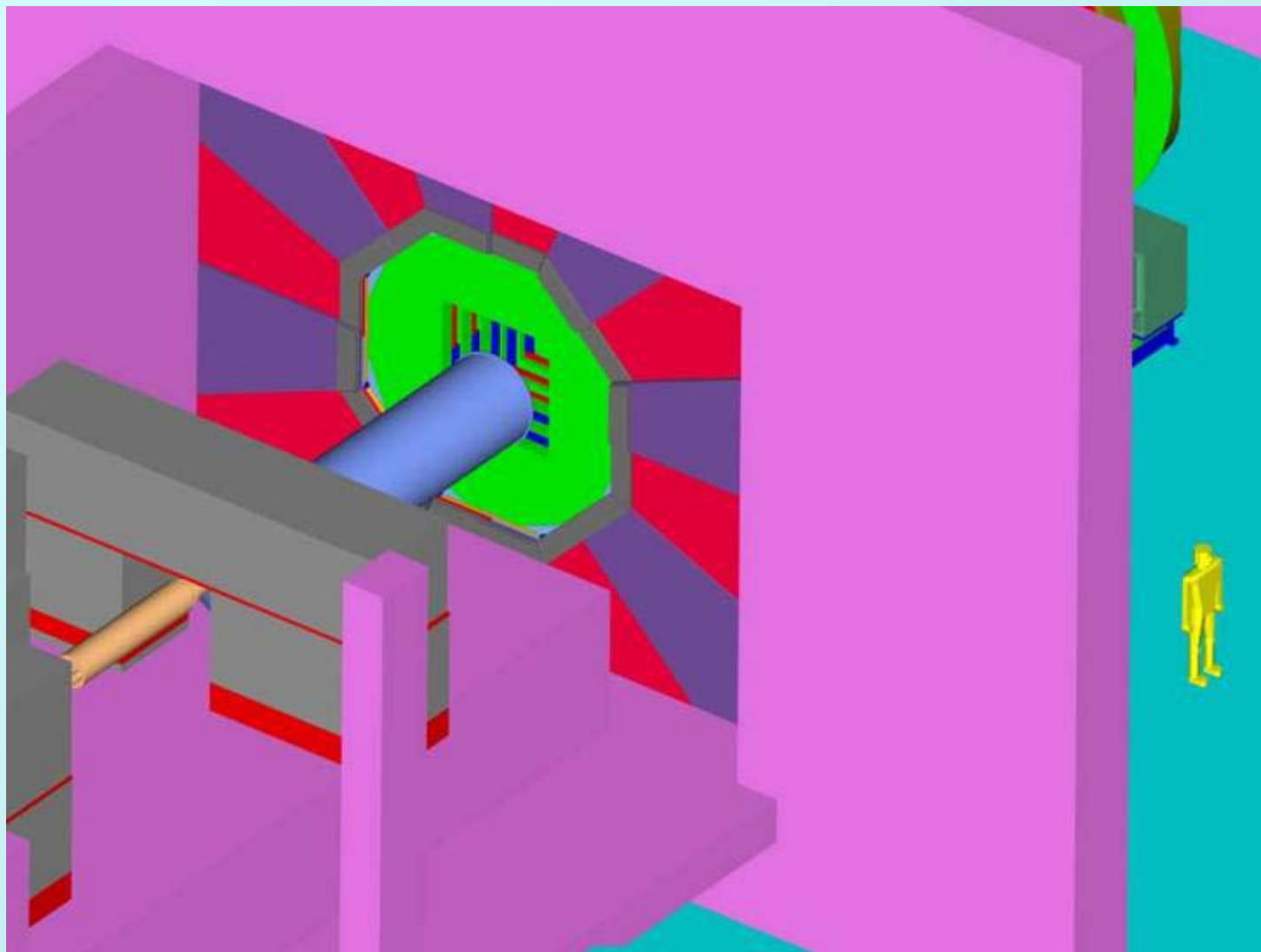
MuTr FEE prototypes and upgrade:

More info needed to plan for May prototype installation and summer installation of lower octant of stations 1 and 2 South



- Run 8 Length (start of physics to run end) 7 months?
- Shutdown Prep 2 weeks
- TBD detector maintenance and repair 0-3 months
- Install Cu absorber for 1 South octant, 1 week
- Install RPC 3 South 6 months
- Install FEE Repairs & Upgrade MuTR 1, 2 South all octs 4 months
- Install LL1 South 3 months
- Commissioning and run prep 1 month
- Shutdown length (End of run 8 to run 9 cooldown start) 6 months

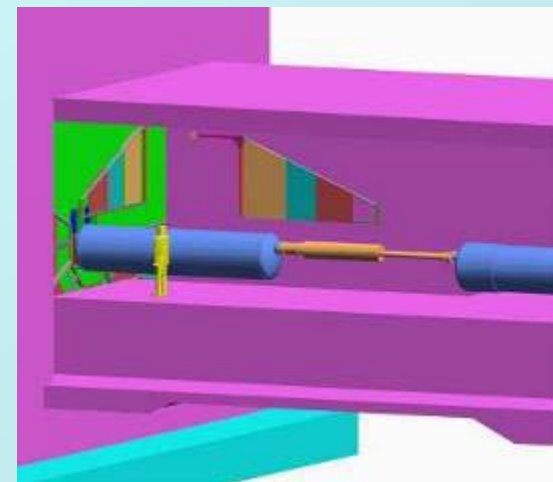
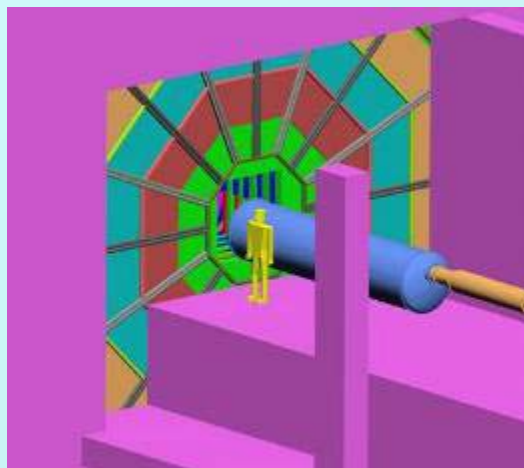




TECHNICAL SUPPORT 2007



Problems: Piping, cables thru sq. hole, crystal palace, large shielding blocks, access, crane coverage



2009-2011 (& Beyond?)

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- TBD detector maintenance and repair
- Install new beampipe
- Install VTX
- Install RPC 3 North
- Install RPC 2 South and North
- Install FEE Upgrade MuTR 1, 2 North (all octants)
- Install LL1 North
- Install Full Cu absorber + NCC tungsten
- Install FVTX
- Install NCC N & S
- Remove Cu Shielding
- Install RPC 1AB North and South
- Install FEE Upgrade MuTR 3, South and North

TBD months, each year

1 month

4 months

3 months

6 months

6 months

3 months

2 months

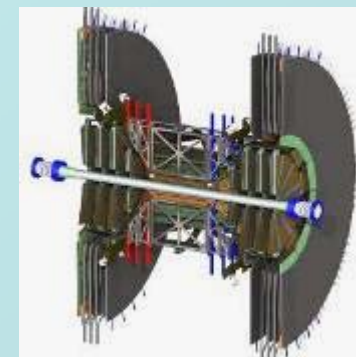
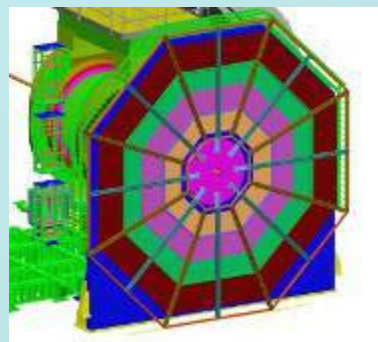
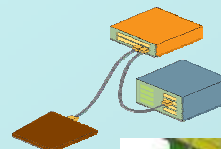
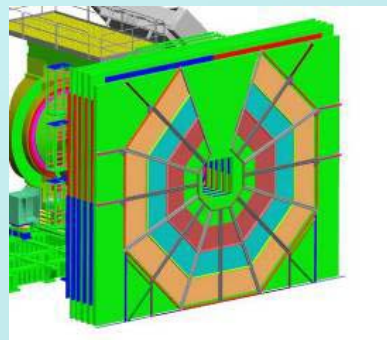
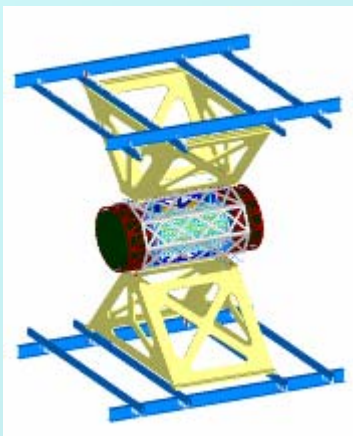
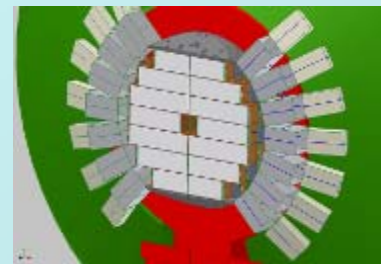
2 months

2 months

1 month

3 months

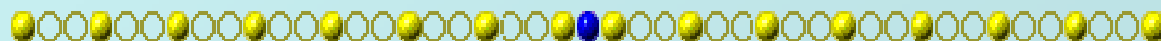
6 months



Where To Find PHENIX Technical Info



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

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